FEDOROV, B.M.

Conditioned reflex modifications of cardiac rhythm. Biul.eksp. biol.i med. 37 no.2:17-22 7 54. (MIRA 7:6)

1. Iz Instituta patofiziologii i eksperimental'noy terapii AMM SSSR (dir. akademik A.D. Speranskiy), Moskva. (REFLEX, CONDITIONED. *heart thythm variations in animals)

(HEART, physiology, *rhythm, conditioned reflex variations in animals)

PEDCROV, B.M.

Restoration of disturbed cardiac rhythm under the influence of a movocaine block of extracardial nerve formations and some other interventions of the nervous system, Biul.aksp.biol. i med. 43 no.1 supplement;21-26 '57. (MIRA 10;3)

1. Is Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR v.N.Chernigovskiy) AMN SSSR, otdel obshchey i eksperimental'noy patologii (sav. - akad. A.D.Speranskiy). ostsillograficheskiy kabinet (zav. Ye.A.Gromova) i laboratoriya eksperimental'noy terapii (zav. A.M.Chernukh). Predstavlena akademikom A.D.Speranskim.

(ARRHYTHMIA, exper.
eff. of proceine block of extracardiac nerves)
(PROCAINE, eff.
block of extracardiac nerves on exper. arrhythmia)

Effect of unconditioned food refelxes on cardiac rhythm activity under pathological conditions (diphtherial intoxication, acuse disorders of coronary circulation, pharmacological influences). Biul. eksp. biol. i med. 51 no.5:33238 My 161. (MIRA 14:8)

l. Iz laboratorii infektsionnoy patologii (zav. - chlen-korrespondent AMN SSSR A.Ya.Alymov) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.V.Parin) AMN SSSR, Moskva.

Predstavlena deystvitel'nym chlenom AMN SSSR V.V.Parinym.

(HEFLEXES) (HEART) (DIPHTHERIA)

(CORONARY-YESSELS.—DISEASES)

Disorders in cardiac activity and causes of sudden death in diphtheria. Vest. AMN SSSR 16 no.5:38-46 '61. (MIMA 14:12)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR. (DIPHTHERIA) (ARKHYTHMIA) (DEATH)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2"

[Effect of the nervous system on arrhythmia of the heart] Vliianie nervnoi sistemy na aritmii serdtsa; materialy dokladov na konferentsii Instituta, sasedanii Moskovskogo obshehestva patofisiologov i kardiorevmatologicheskoi sektsii Moskovskogo terapevticheskogo obshehestva. Moskva, In-t normal'noi i patologicheskoi fisiologii, 1963. 101 p.

(MIRA 16:8)

(ARRHYTHMIA) (NERVOUS SYSTEM)

GROMOVA, Ye.A.; FEDOROV, B.M.; TKACHENKO, K.N.; PODREZOVA, N.A.; PROVODINA, V.N.

Correlation between disorders of the cardiac activity and functional changes in the brain in experimental diphtheria intoxication. Pat. fiziol. i eksp. terap. 8 no.5:31-35 S-0 *64. (MIRA 18:12)

1. Institut normal'noy i patologicheskiy fiziologii (direktor - deyatvitel'nyy chlen AMN SSSR prof. V.V.Parin) AMN SSSR, Moskva. Submitted February 16, 1963.

CHERNUKH, Aleksey Mikhaylovich; FEDOROV, B.M., red.

[Infection focus of inflammation; problems of disease, recovery and treatment] Infektsionnyi ochag vospeleniia; voprosy zabolevaniia, vyzdorovleniia, lecheniia. Moskva, Meditsina, 1965. 322 p. (MIRA 19:1)

FEDOROV, B.M. (Moskva)

Effect of the vomiting reflex on cardiac rhythm and its role in defense and pathological reactions of the body during pharmacological actions and disorders of coronary circulation. Pat. fiziol. i eksp. terap. 5 no.3:20-26 My-Je '61. (MIRA 14:6)

1. Iz laboratorii infektsionnoy patologii (zav. - chlenkorrespondent AMN SSSR prof. A.Ya. Alymov) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.V.Parin) AMN SSSR. (VOMITING) (ARRHYTHMIA)

Effect of a dynamic stereotype of conditioned food reflexes and neurotic conditions on cardiac rhythm in normal and distorted cardiac activity. Biul. eksp. biol. i med. 51 no.3:37-42 Mr '61.

(MIRA 14:5)

1. Iz laboratorii infektsionnoy patologii (zav. - chlen-korrespondent AMN SSSR A.Ya.Alymov) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.V.Parin) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V.V.Parinym.

(CONDITIONED RESPONSE) (HEART)

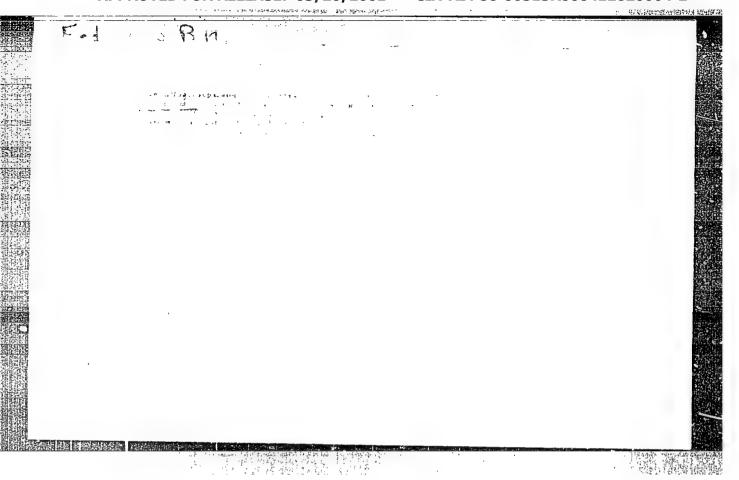
FEDOROV, B. N.

"Experimental Investigation of the Volume Compressibility of Soils," Zhur. Tekh. Fis., 14, No.9, 1944

All-Union Sci.Res. Inst. of Water Supply, Sewerage, Hydraulic Engineering and Engineering Hydrogeology

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2"





SOV/137-58-9-18269

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 6 (USSR)

AUTHOR: Fe

Fedorov, B. N.

TITLE:

New Two-stage Grinding Installation (Novaya izmel'chitel'naya dvukhstadial'naya ustanovka Mekhanobra 103-Us)

PERIODICAL: Obogashcheniye rud, 1957, Nr 5, pp 51-53

ABSTRACT:

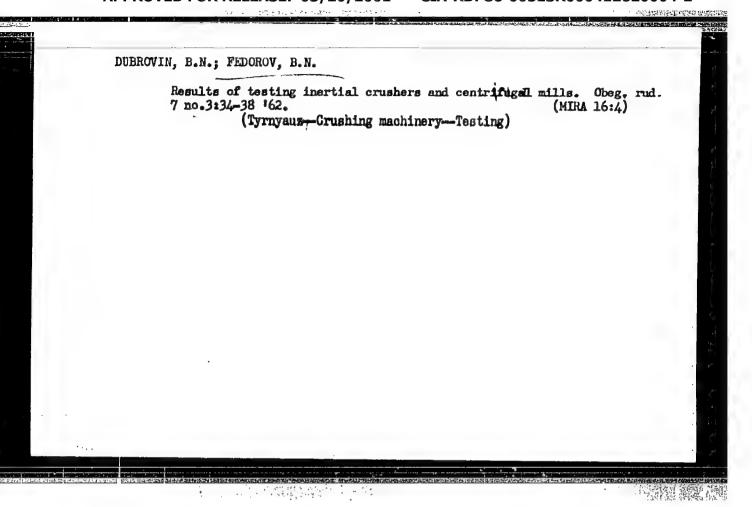
The installation is intended for laboratory investigation of wet grinding of ores. Two 416x445 mm ball mills, two spiral classifiers, two hoppers with drum feeders and a device for sampling are specified for it. The tentative output of each mill is -90 kg/hour.

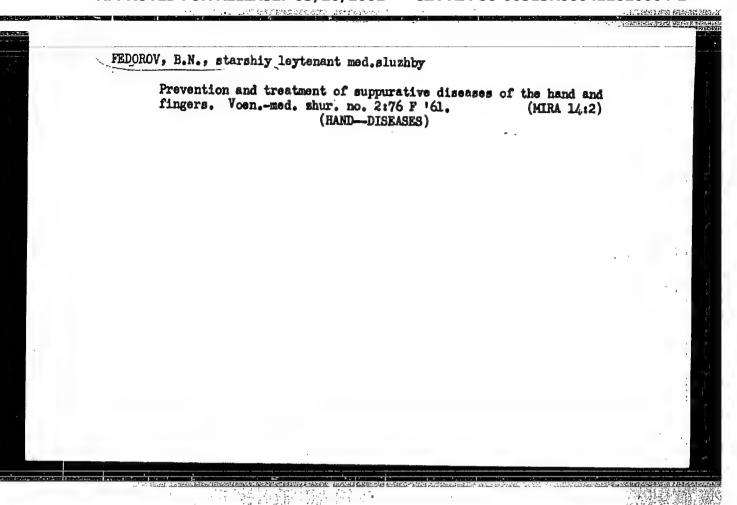
1. Industrial equipment--Installation 2. Ores

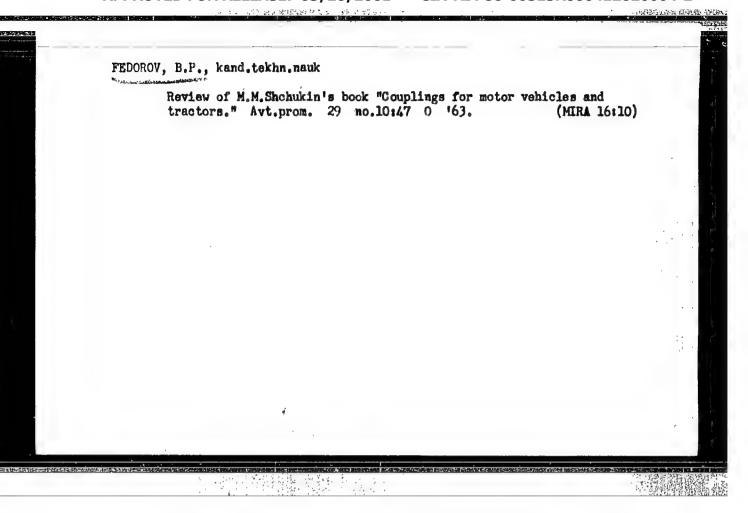
---Processing

I. M.

Card 1/1







SOV/113-58-2-9/15

AUTHORS:

Zakin, Ya. Kh., Fedorov, B.P., Candidates of Technical

Sciences

TITLE:

The Interaction of a Truck Tractor and a Trailer During Acceleration Through the Gears (Vzaimodeystviye tyagacha i

pritsepa pri razgone na peredachakh)

PERIODICAL:

Avtomobil'naya promyshlennost', 1958, Nr 2, pp 31 - 34 (USSR)

ABSTRACT:

The stress in a GAZ-63 truck and a 2-AP-2 trailer during acceleration are investigated here. There are three stages in every acceleration cycle: the transition from one gear to another; engaging the gear; and letting in the clutch (Figure 1). The stress on the hook of the truck tractor was determined by means of a tensiometric shaft (Figure 2). The longitudinal accelerations of the trailer were measured by a specially developed accelerometer (Figure 3). The circuit diagram of all transducers used in the experiments is given in Figure 4. The error of the apparatus is 4 % on

Card 1/2

is given in Figure 4. The error of the apparatus is 4 % on the average. It has been shown that the stress in the trac-

The Interaction of a Truck Tractor and a Trailer During Acceleration Through the Gears

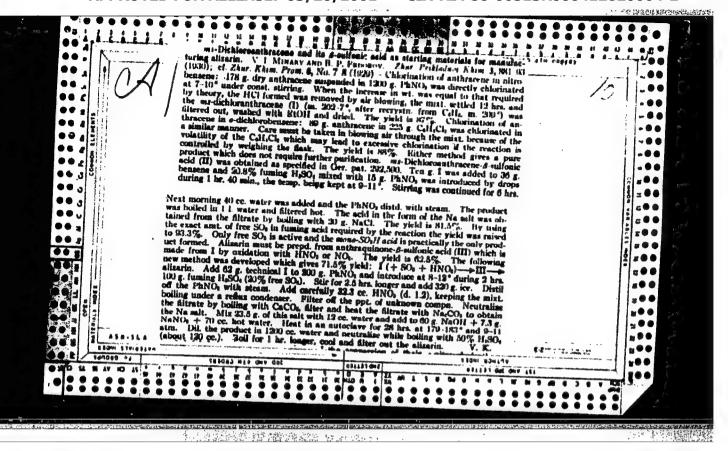
tion and coupling device increases with the mass of the truck and trailers and also with the relation of the trailer mass to the truck tractor mass (Figure 5). The dependence of the stress in the traction and coupling device on the rigidity of the coupling is shown in Figure 6. An increase in friction in the coupling device reduces the stress in the hook (Figure 7). There are 6 graphs and 3 diagrams.

- 1. Cargo vehicles--Operation 2. Cargo vehicles--Performance
- 3. Trailers--Performance 4. Transmission gears--Operation

Card 2/2

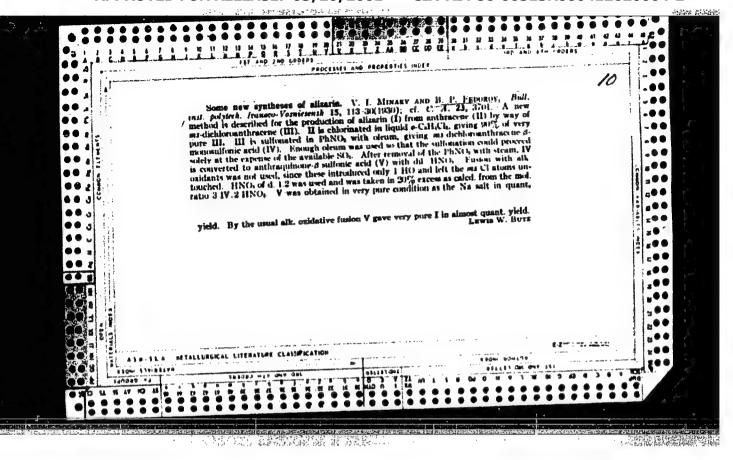
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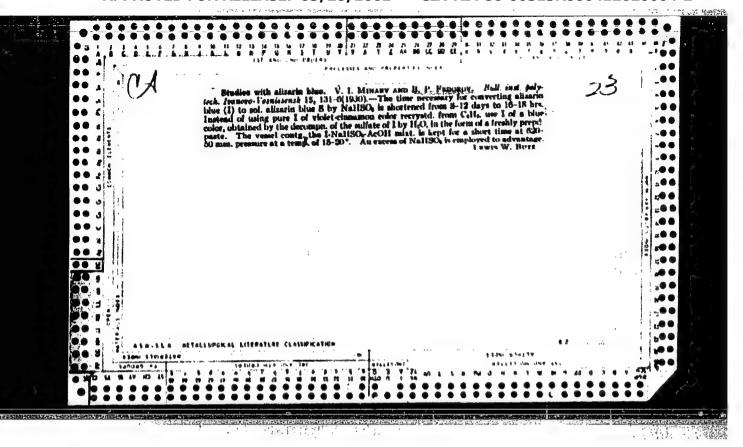
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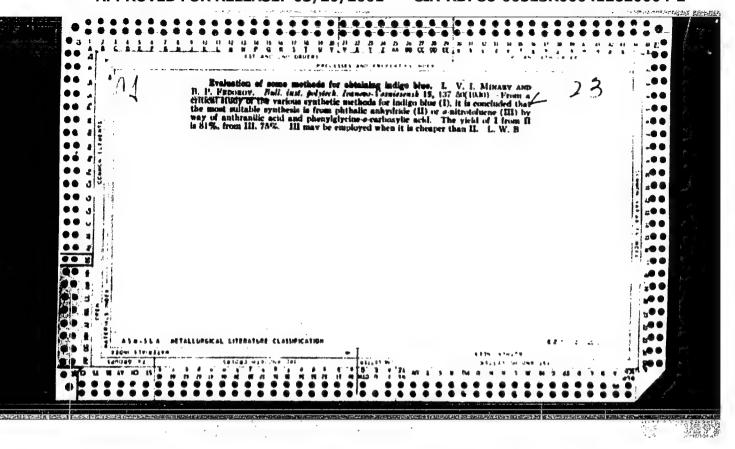


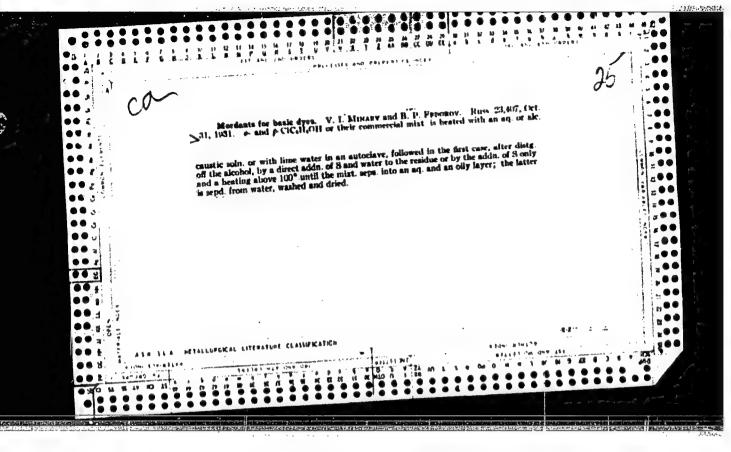
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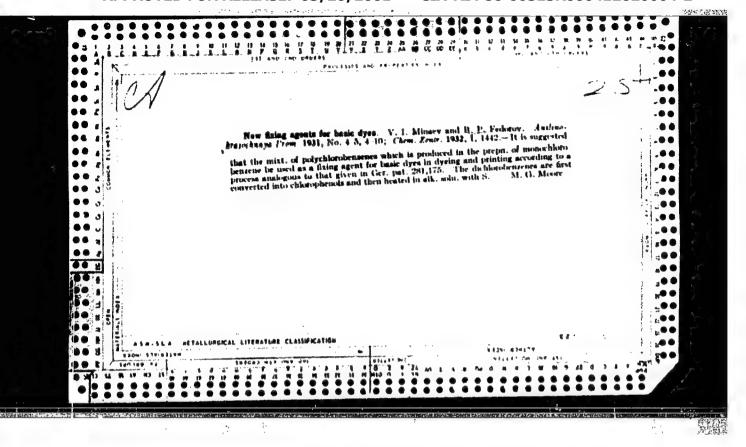
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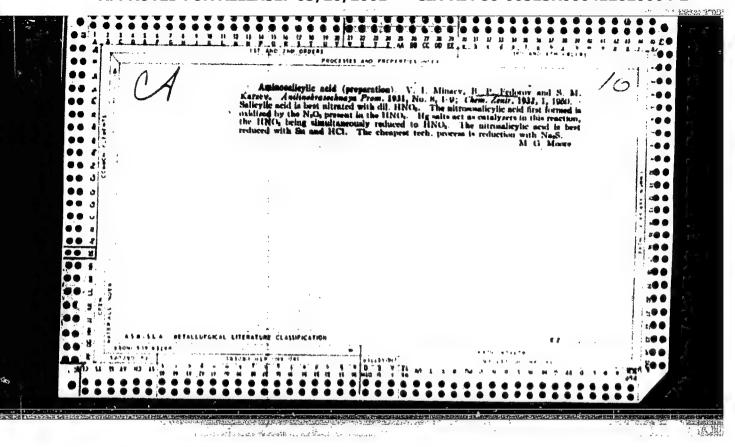


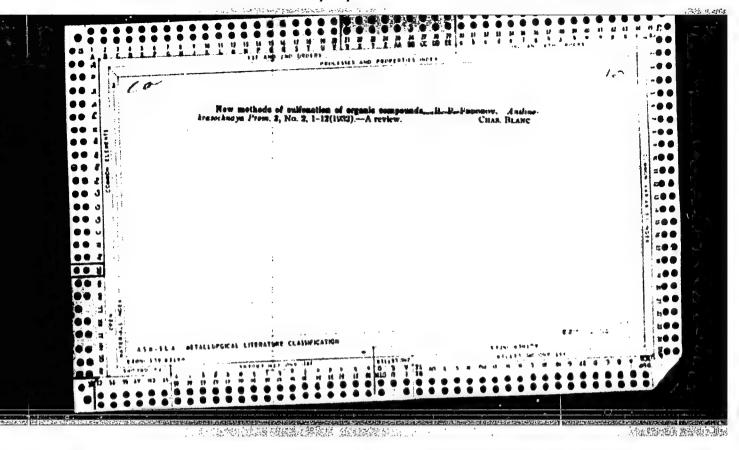


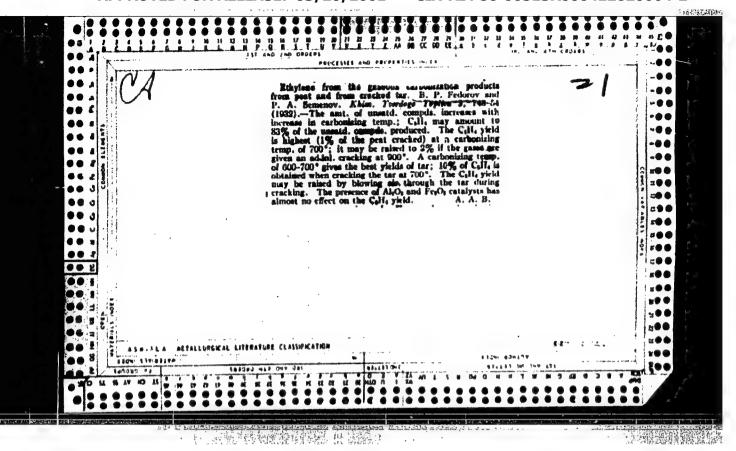


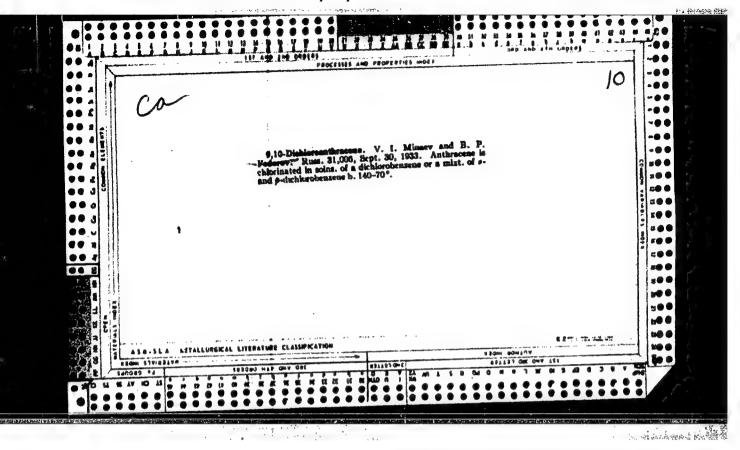


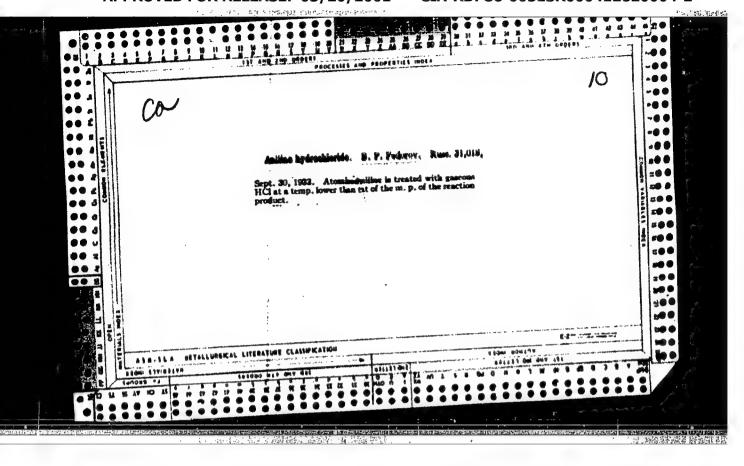


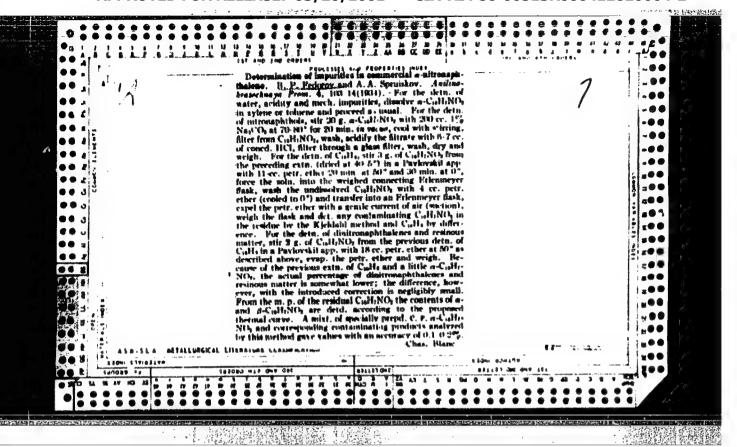






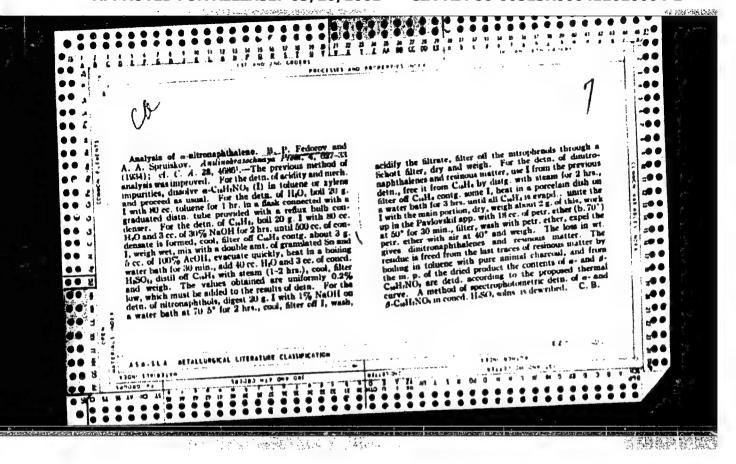


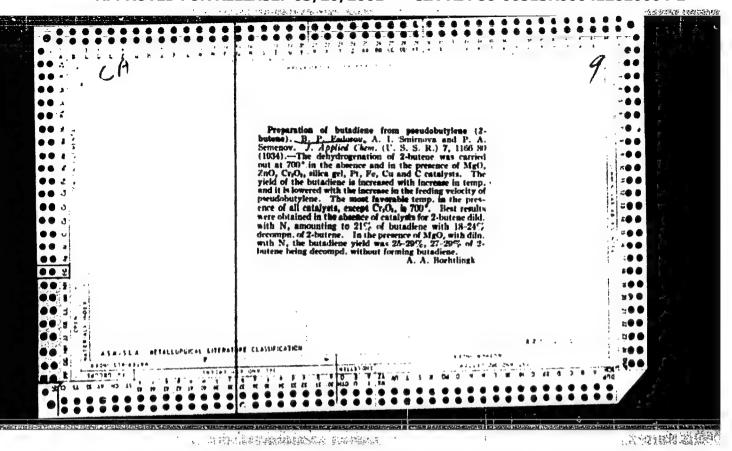


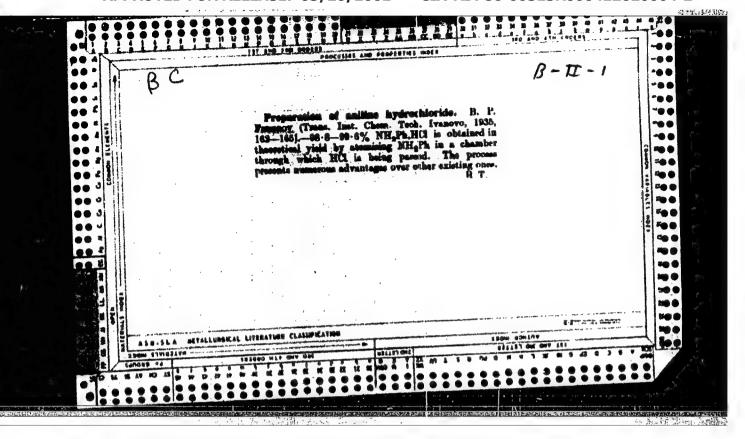


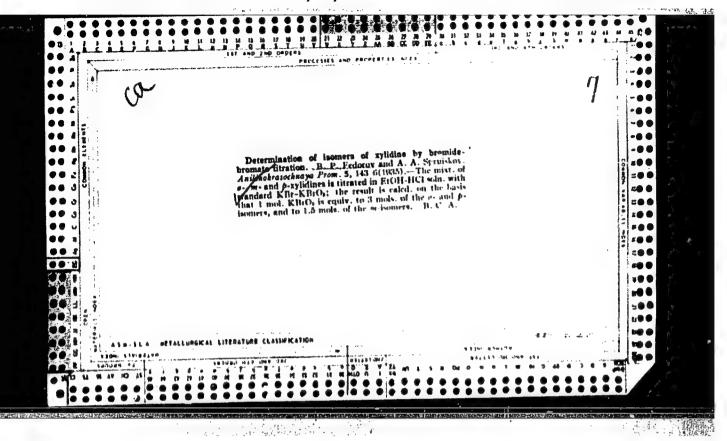
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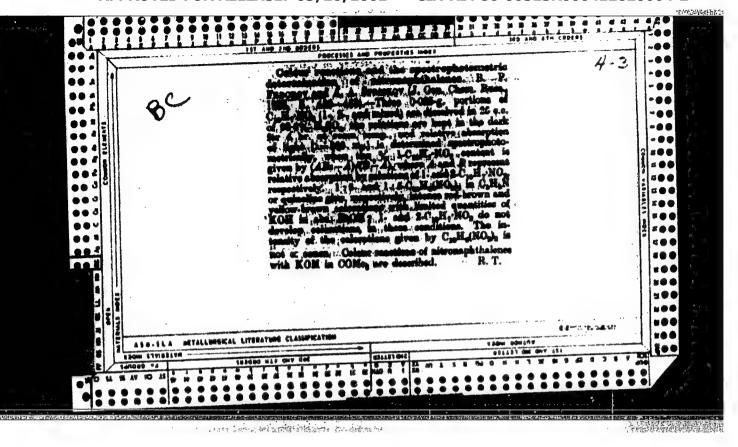
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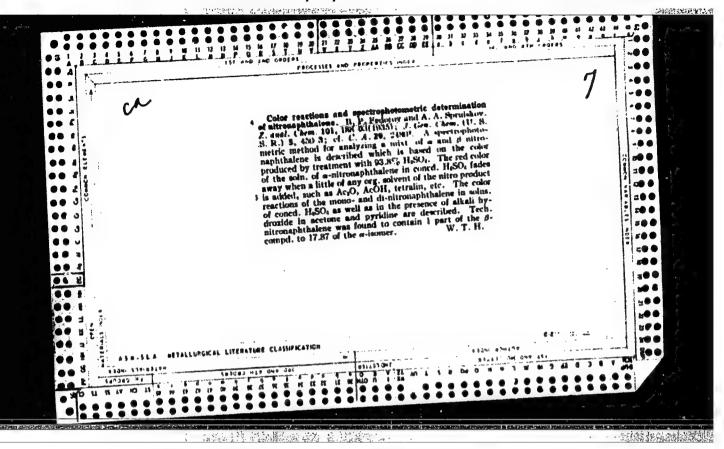


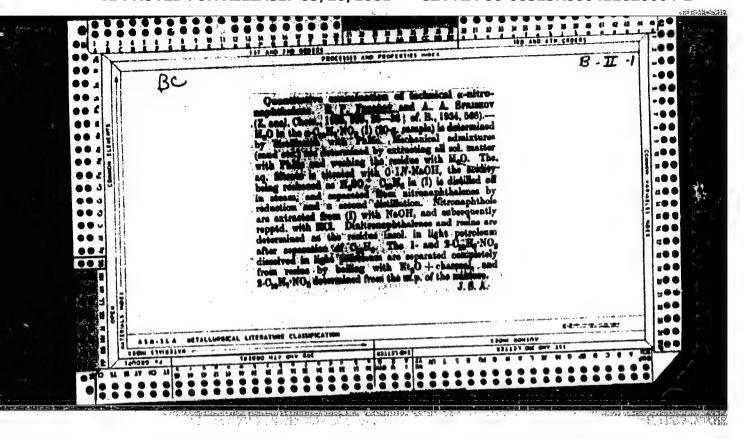


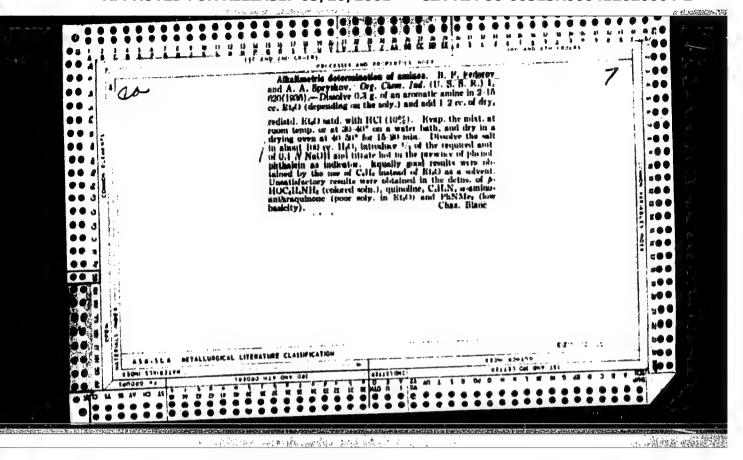


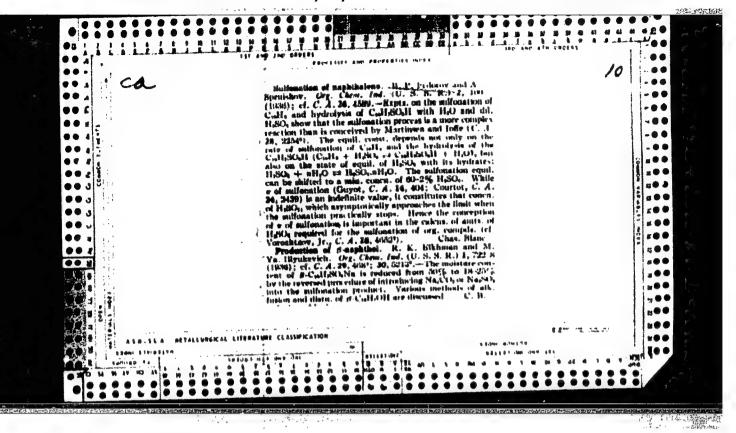


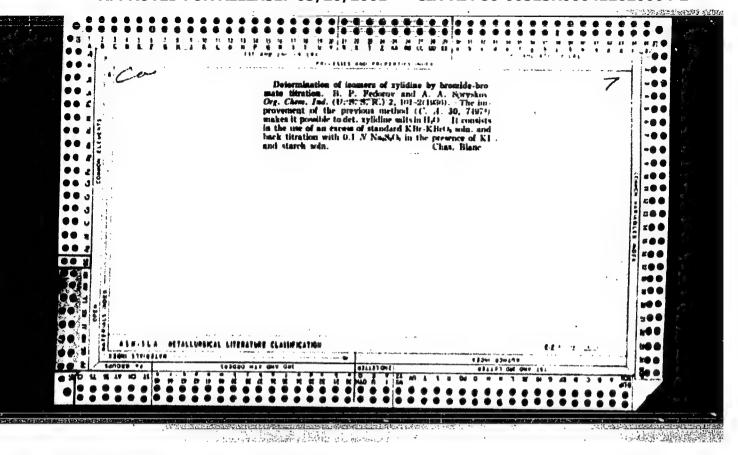


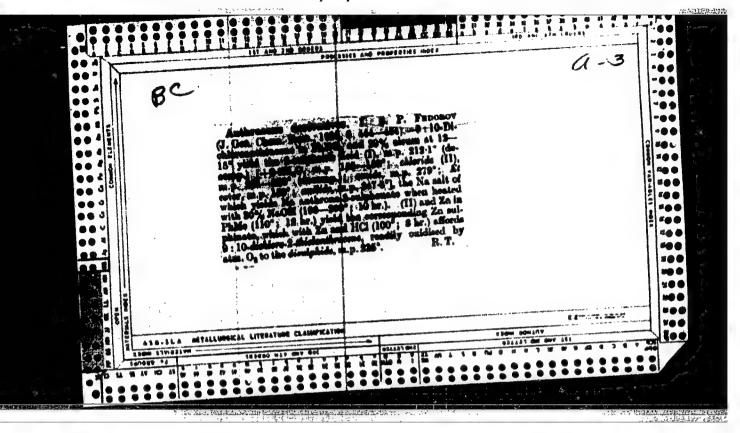


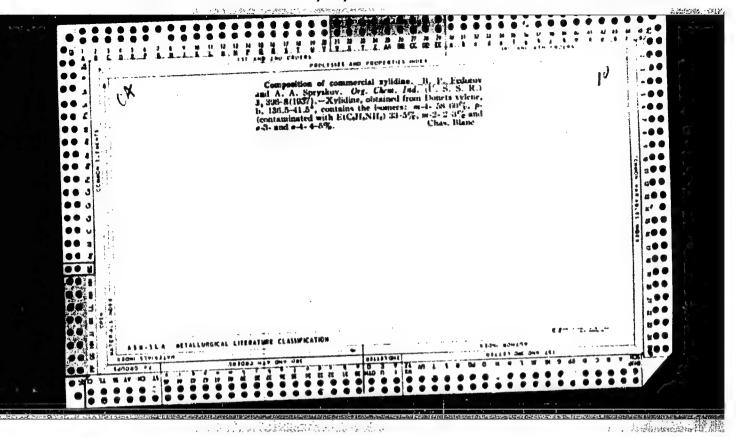


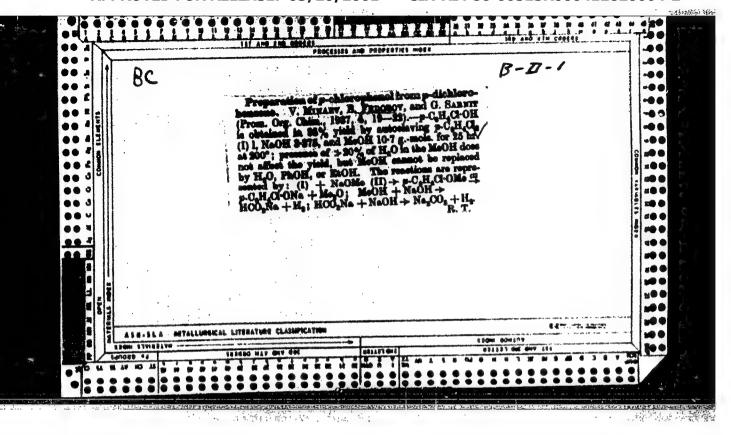


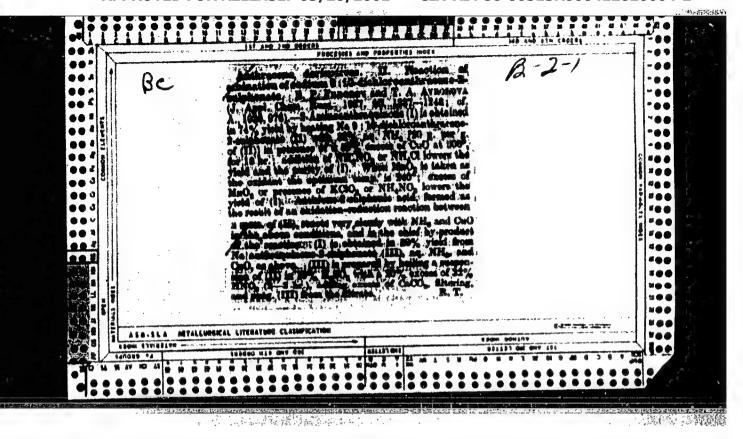


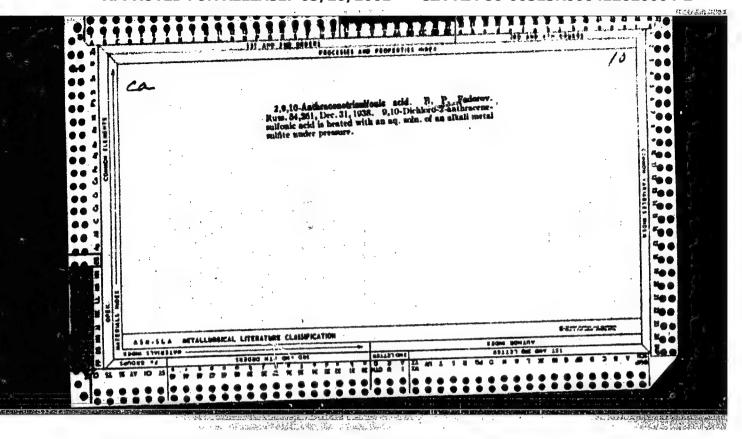


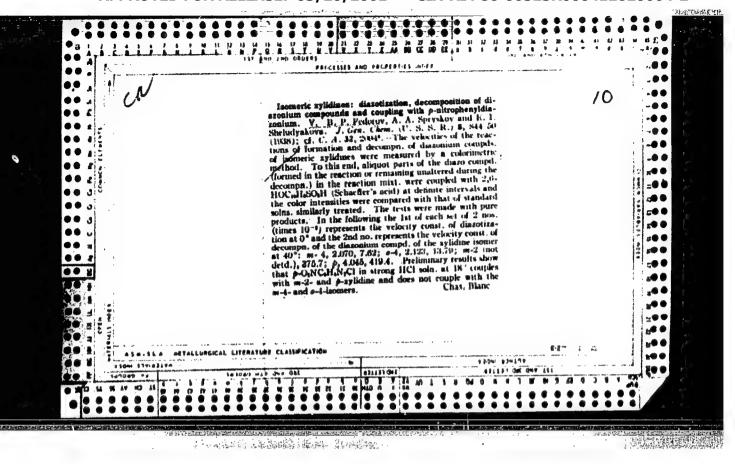


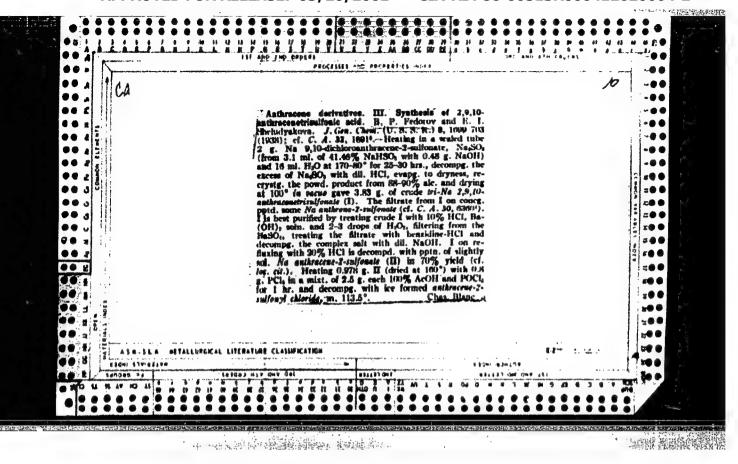


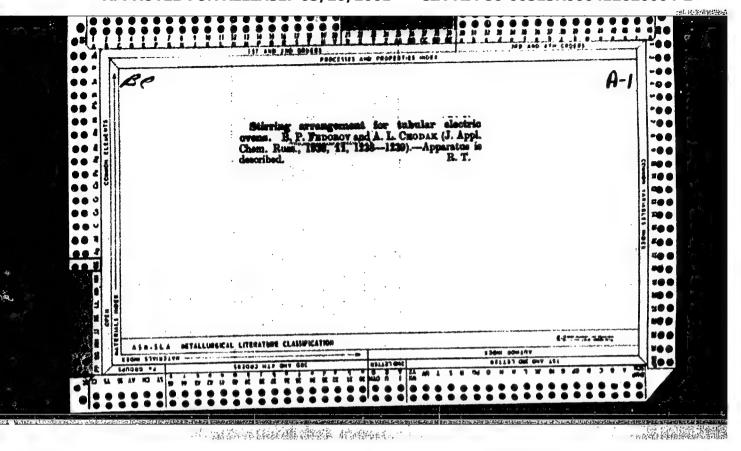


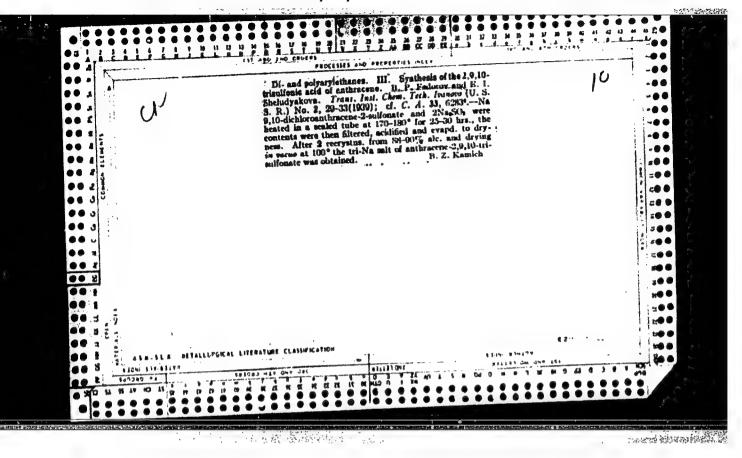


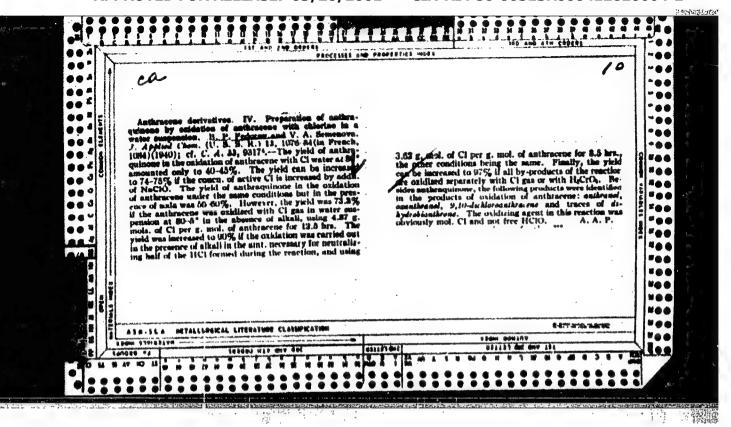


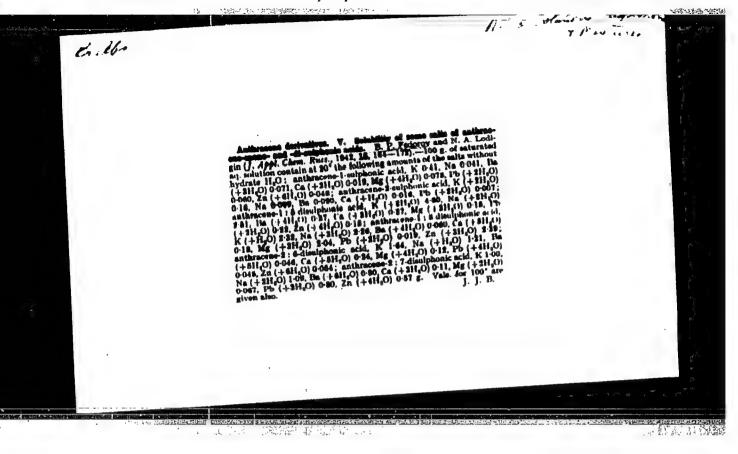


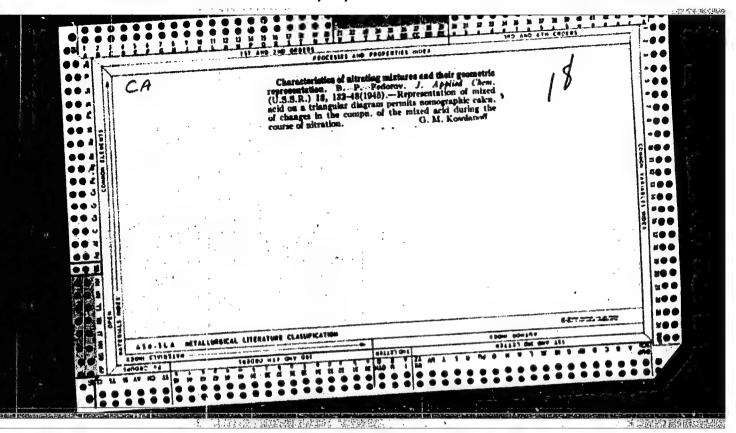


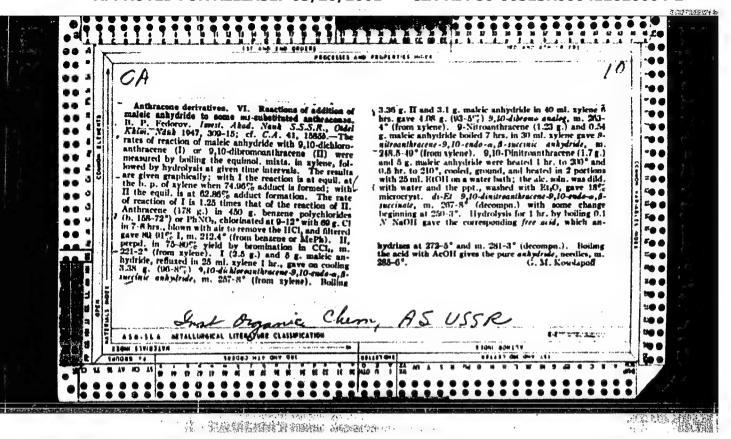






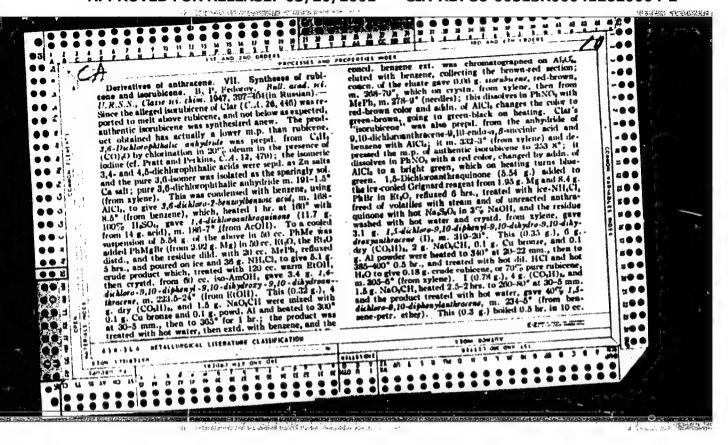


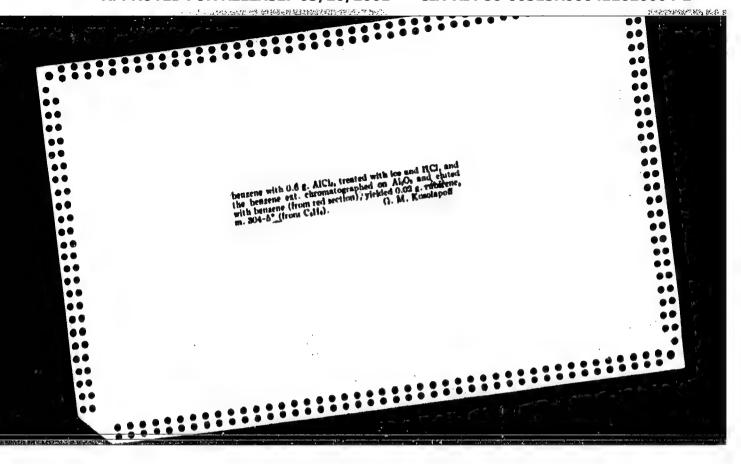


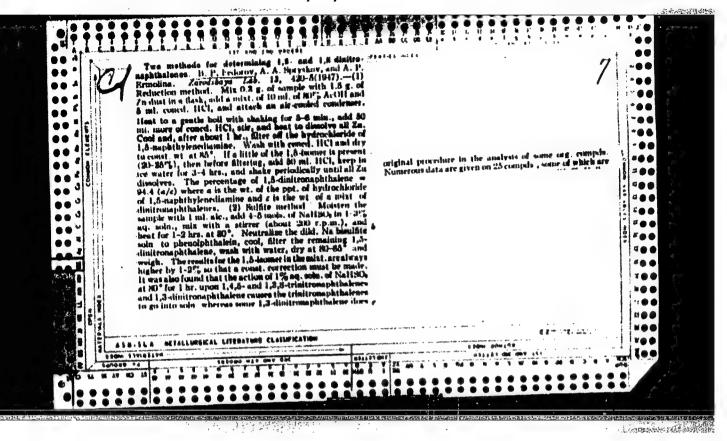


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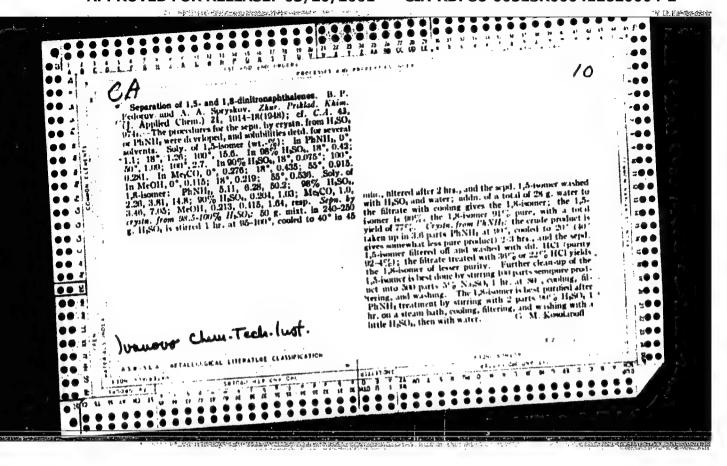


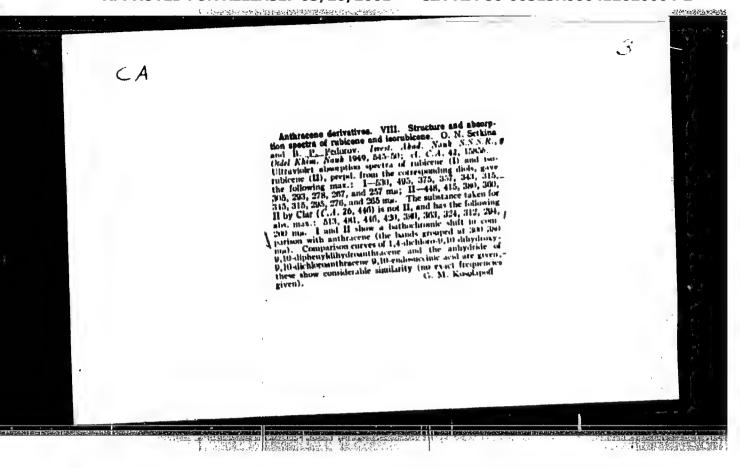




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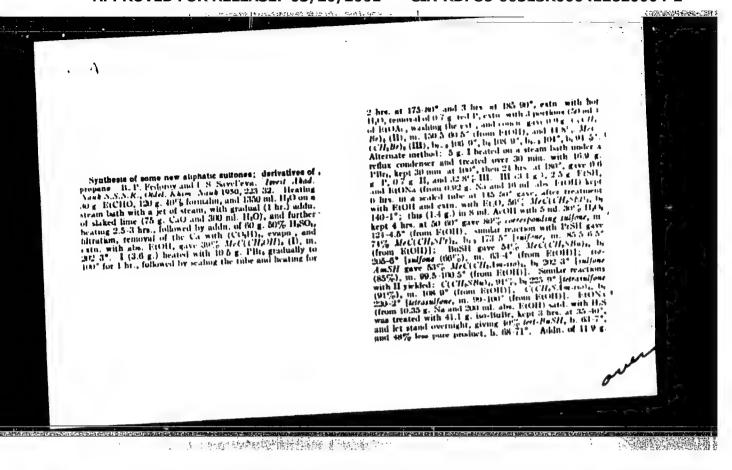
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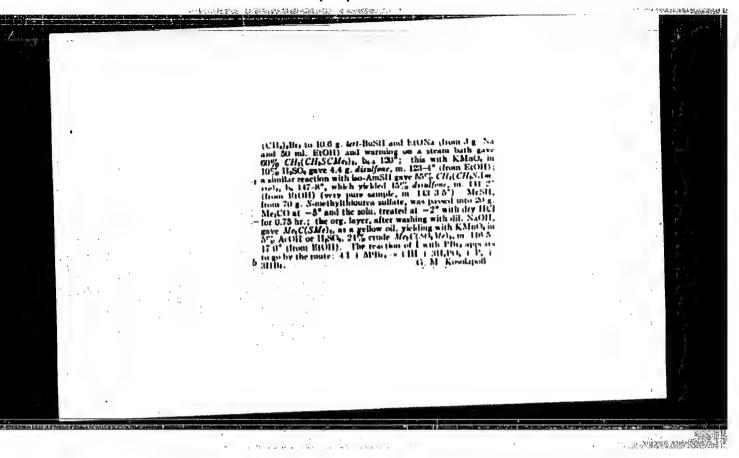


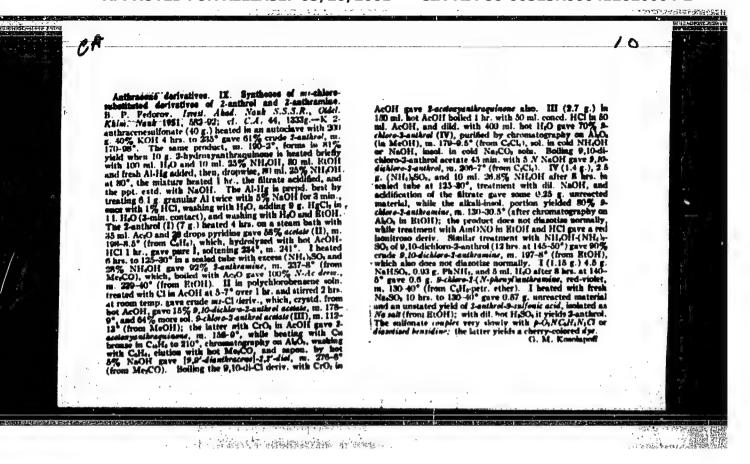


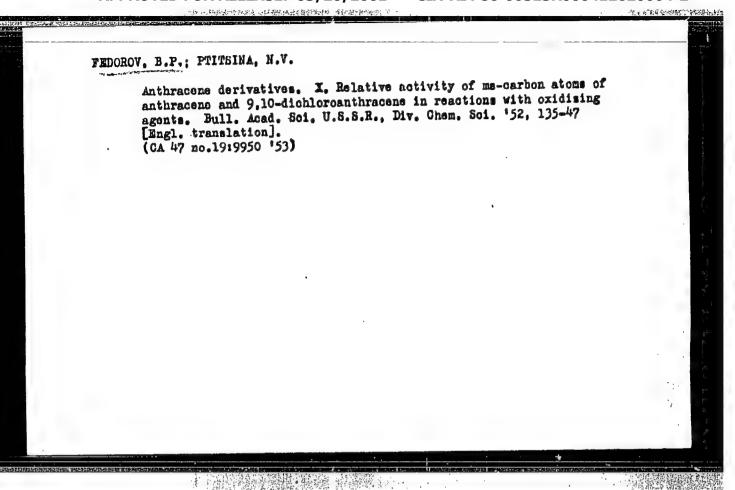
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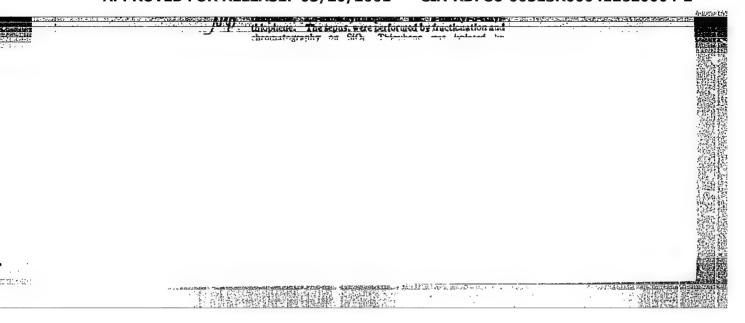
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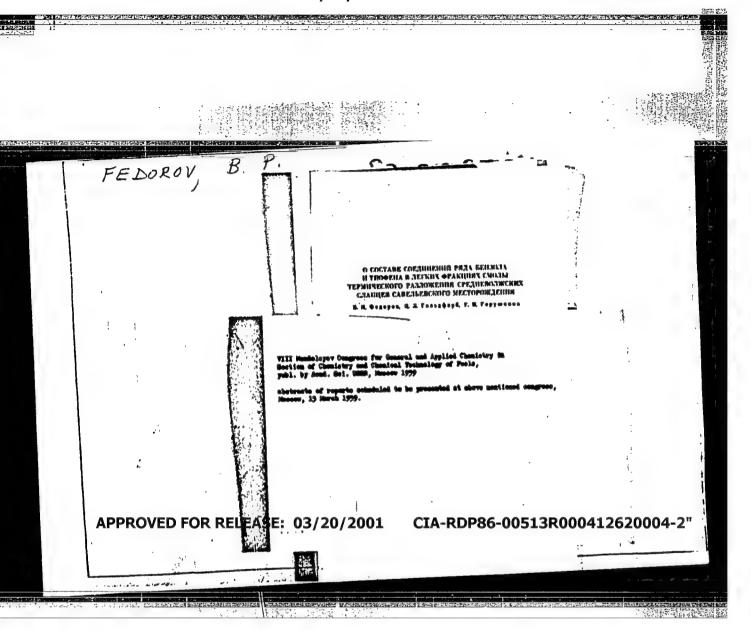












FEDOROV, B.P.

SOV/80-32-2-32/56

AUTHORS:

Angert, L.G., Gol'dfarb, Ya.L., Gorushkina, G.I., Zenchenko,

A.I., Kuz'minskiy, A.S., Fedorov, B.P.

TITLE:

Syntheses of Some Thiophene Derivatives and the Study of Their Behavior as Ingredients of Resins (Accelerators and Antioxidants) ((Sintezy nekotorykh proizvodnykh tiofena i izucheniye ikh povedeniya v kachestve ingrediyaskar maska (uskoriteley i

antioksidantov))

PERIODICAL:

Zhurnal prikladnoy khimii, 1959, Vol XXXII, Nr 2,

pp 408-418 (USSR)

ABSTRACT:

A total of 15 compounds of the thiophene series were investigated as ingredients of resin mixtures. They all contained the azomethine group XC4H2SCH = NRY, where X is hydrogen or CH3 -, R an aliphatic or aromatic radical, Y a substituting group. Secondary amines were prepared by heating thenyl dichloride with amines in a solution of benzene or toluene. The products of this reaction, their melting and boiling points, analyses and yields are given in Table 2. These compounds inhibit the exidation of rubber. The inhibiting action is due to the nature of the ortho- and paragroups in the benzene ring. As a control sample rubber containing phenyl
\$\begin{align*} \begin{align*} As a control sample rubber containing phenyl- \$\beta\$-naphthylamine was used in the experiments. The thenyl

Card 1/2

group CAH2SCH2- has nearly the same inhibiting influence

APPROVED FOR RELEASE ment 1-2-200 and 12-200 and 12-200

-naphthylamine, etc. The synthetized compounds were tested also as vulcanization accelerators on the rubbers SKB, SKS-30, SKN-26 and NK. Most effective were 2-mercapto-4-(2'-thienyl)-thiazole and di-2-thenylideneethylenediamine. The thenylidene group had a greater effect on vulcanization acceleration than the benzene ring.

There are 5 tables, 1 graph and 20 references, 10 of which are

Soviet, 3 American, 3 English, 2 German, and 2 French.

SUBMITTED:

May 13, 1957

Card 2/2

S/062/60/000/010/023/031/XX B002/B060

......ORS:

Fedorov, B. P., and Stoyanovich, F. M.

Commercial and a

A New Reaction of Mercaptans With N-Substituted Formanides

and Phosphoroxy Chloride

FRIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,

1960, No. 10, pp. 1828-1833

TEXT: A novel compound, N,N-dimethyl amino-di-(isobutyl mercapto)-methane V results in 36% yield on reaction of dimethyl formamide with isobutyl mercaptan in the presence of phosphoroxy chloride at low temperature. Also synthesized were: N,N-dimethyl amino-di(n-butyl mercapto)-methane from n-butyl mercaptan in 41% yield, and N,N-dimethyl amino-di (tert-butyl mercapto)-methane from tert-butyl mercaptan in 11% yield. The reaction comes about only methane from tert-butyl mercaptan in 11% yield. The reaction comes about only with POCl₂, not with dry hydrogen chloride nor zinc chloride. If N-methyl formanilide is used instead of dimethyl formamide, i-butyl ester of orthotrithio formic acid is formed (44% yield), as well as n-butyl ester of orthotrithio formic acid (69% yield). Moreover, N-methyl aniline is formed.

Card 1/2

A New Reaction of Mercaptans With N-Substituted S/062/60/000/010/023/031/XX Formamides and Phosphoroxy Chloride B002/3060

The following mechanism is assumed for the formation: the reaction with phosphoroxy chloride leads to the formation of the strongly electrophilic cation (XII), the latter reacts with the electron pair of sulfur to give the sulfonium complex (XIII); cation R⁺ is then split off, and orthophosphoric acid dichloride (XV) is formed. There are 12 references: 2 Soviet, 9 US, 2 British, 7 German, 1 Italian, 3 French, and 1 Swedish.

ASSOCIATION:

Institut organicheskoy khimii im. N. D. Zelinskogo Akademii

nauk SSSR (Institute of Organic Chemistry imeni N. D.

Zelinskiy of the Academy of Sciences USSR)

SUBMITTED:

May 4, 1959

Card 2/2

S/062/60/000/010/024/031/XX B002/B060

JU ORS:

Fedorov, B. P. and Stoyanovich, F. M.

J. Di

Syntheses of Some Aldehydes From Sulfides of the Thiophene

Series

.... TODICAL:

Izvestiya Akademii nauk SSSR. Otdelendye khimicheskikh nauk,

1960, No. 10, pp. 1834-1837

TEXT: The following 5-(alkyl mercapto methyl)-2-thiophenaldehydes were synthesized by reaction of dimethyl formamide with alkyl-(5-lithium-2-thenyl)-sulfides: 5-ethyl mercapto methyl-2-thiophenaldehyde, 5-isobutyl mercapto sulfides: 5-ethyl mercapto methyl-2-thiophenaldehyde, and 5-tert-butyl mercapto methyl-2-thiophenaldehyde. thyl-2-thiophenaldehyde, and 5-tert-butyl mercapto extent accompanied by iclds were 21-34%; reactions were to a considerable extent accompanied by resinification due to the unstable character of aldehydes with the methylene mercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained were identified by semicarbanercapto group -CH₂S-. The aldehydes obtained

Card 1/2

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CIA-RDP86-00513R000412620004-2

Syntheses of Some Aldehydes From Sulfides of the Thiophene Series

S/062/60/000/010/024/031/XX B002/B060

5-ethyl mercapto-2-thenylidene-p-amino phenol. Ya. Gol'dfarb and G.Gorushkina are mentioned. There are 9 references: 5 Soviet, 4 US, and 2 German.

ASSOCIATION:

Institut organicheskoy khimii im. N. D. Zelinskogo Akademii

nauk SSSR

(Institute of Organic Chemistry imeni N. D. Zelinskiy of the

Academy of Sciences USSR)

SUBMITTED:

May 4, 1959

Card 2/2

TO SERVED

KUZ'NINSKIY, A.S., GOL'DFARB, Ya.L., FEDOROV, B.P., ZENCHENKO, A.I., KOGERMAN, A.P., GORUSHEINA, G.I., ANGERT, L.G.

Synthesis of some thiophene derivatives and study of their behavior as ingredients of rubber accelerators and antioxidants). Zhur.prikl.khim. 33 no.5:1182-1187 My 160. (MIRA 13:7) (Thiophene) (Vulcanization)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2"

Syntheses of aldehydes from 2 this and (a halomatical

Syntheses of aldehydes from 2-thienyl-(ρ -hydroxphenyl) and 2-thienyl-(ρ -methoxyphenyl sulfides. Part 3. Zhur. ob. khim. 31 no.1:238-244 Ja '61. (MIRA 14:1)

1. Institut organicheskoy khimii Akademii nauk SSSR. (Sulfide) (Aldehydes)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2"

FEDOROV, B.P.; CORUSHKINA, G.I.; COL'DFARB, Ya.L.

Synthesis of secondary amines of the thisphene series.
Zhur.ob,khim. 31 no.12:3933-3939 D '61. (MIRA 15:2)

(Amines)

(Thiophene)

CIA-RDP86-00513R000412620004-2

与逐渐调整备

FEDEROV, B.P.; MAMEDOV, R.M.

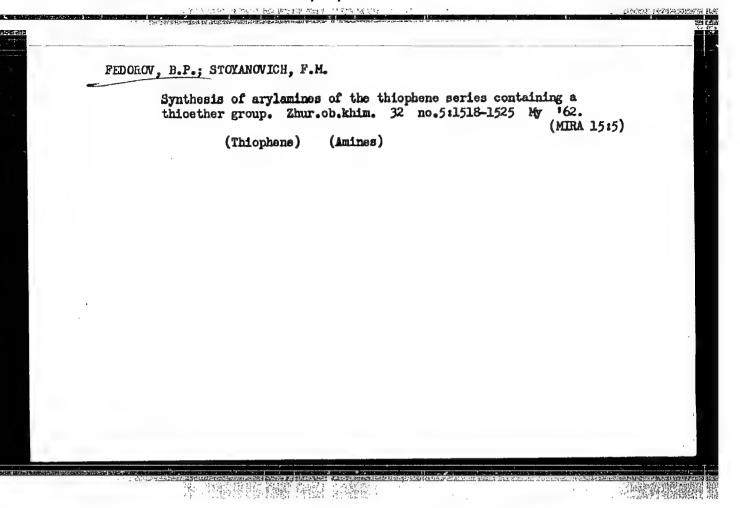
Syntheses of some derivations of 2-mercaptomethylbezimidazole.

Izv.AN SSSR.Otd.khim.nauk no.9:1626-1630 S 162. (MIRA 15:10)

l. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. (Benzimidazole)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2"

KOGERMAN, A.P.; FEDOROV, B.P. Syntheses of some thienyl- and thenylamides of 2,3-hydroxynaphtholo and salicyclic acids. Zhur.eb.khim. 32 no.3:981983 Mr '62. (MIRA 15:3) (Naphtholo acid) (Salicylic acid)



"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2

STOYANOVICH. F.M.; FEDOROV, B.P.; ANDRIANOVA, G.M.

Reactions of amidomercaptals with compounds containing the primary amino group. Dokl.AN SSSR 145 no.3:584-587 Jl 162.

(MINA 15:7)

1. Institut organicheskcy khimii imeni N.D.Zelinskogo AN SSSR.

Predatavleno akademikom D.A.Kazanskim.

(Mercaptals) (Amino group)

LUKOVNIKOV, A.F.; FEDOROV, B.P.; VASIL YEVA, A.G.; KRASNYANSKAYA, E.A.; LEVIN, P.I.; GOL DVARB, Ya.L.

Benzimidazole derivatives as inhibitors of the oxidation of polypropylene and the effect of p-hydroxydiphenylamine on their effectiveness. Vysokom. soed. 5 no.12:1785-1789 D '63. (MIRA 17:1)

1. Institut khimicheskoy fiziki AN SSSR i Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2"

FEDOROV, B.P.; STOYANOVICH, F.M.

Synthesis and reactions of 2,2'-dithienyl sulfide. Part 5.
Zhur.ob.khim. 33 no.7:2251-2261 Jl '63. (MIRA 16:8)

1. Institut organicheskoy khimii imeni N.D.Zelinnkogo AN SSSR.

(Sulfides) (Bithiophene)

POPOV, Ye.M.; STOYANOVICH, F.M.; FEDOROV, B.P.; ANDRIANOVA, G.M.

Ultraviolet and infrared spectra of 2-thienyl sulfides. Part 6. Zhur.ob.khim. 33 no.7:2261-2266 Jl '63. (MIRA 16:8)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR. (Bithiophene-Spectra) (Sulfides)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2"

STRUCHKOV, V.I. (Moskva, I. Truzhennikov pereulok, d.19, kv.37); GRIGORYAN, A.V.; FEDOROV, B.P.

Treatment of some pulmonary diseases in conjunction with diabetes mellitus in the surgical clinic. Grud. khir. 6 no.2190-95 Mr-Ap (MIRA 18³4)

1. Kafedra obshchey khirurgii lechebnogo fakuliteta I Moskvskogo ordena Lenina meditsinakogo instituta imeni Sechenova,

ACCESSION NO: AP4017630

S/0190/64/006/002/0201/0205

AUTHORS: Lukovnikov, A. F.; Fedorov, B. P.; Stoyanovich, F. M.; Bulgakova, T. A.; Levin, P. I.

TITLE: Arylamines of the thiophene series with a thioether group as antioxidants

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 6, no. 2, 1964, 201-205

TOPIC TAGS: antioxidant, polypropylene, polypropylene antioxidant, thiophene, thenyl compound, thioether group, arylamine, stabilization, functional stabilizing group, phenyl compound, Neozone, sulfide, oxidation, p phenolamine, induction period

ABSTRACT: The performance of sulfides of the thiophene series containing an arylamine group as inhibitors of polypropylene oxidation was studied at 2000 in an atmosphere of oxygen. It was found that the arylamines of the thiophene series are generally equal (in some instances even superior) as antioxidants to the commercial Neozones. It was also observed that the presence of a thenyl or a benzyl radical in the arylamine molecule had a favorable effect on the effectiveness of the compound. The sulfides of the thiophene series as such do not possess any antioxidative properties in respect to polypropylene. It was also shown that the

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ACCESSION NO: AP4017630

thioether group does not enhance the effectiveness of arylamine either when added separately or when the thioether group forms a part of the amine molecule. The presence of a thioether group in p-aminophenol derivatives results in increased effectiveness of the compounds as antioxidants, especially where the sulfide sulfur is directly bound to the thiophene group. Orig. art. has: 1 table and 3 charts.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR, (Institute of Organic Chemistry AN SSSR); Institut khimicheskoy fiziki AN SSSR (Institute of Chemical Physics AN SSSR)

SUBMITTED: 19Jul62

DATE ACQ: 23Mar64

ENCL: 00

SUB CODE: CH

NO REF SOV: 003 .

OTHER: 004

Card 2/2

MANEDOV, R. M.; FEDOROV, B. P.

Syntheses and transformations of some derivatives of 2-(mercaptomethyl) benzimidazole. Izv AN SSSR Ser Khim no. 4: 698-704 Ap 164. (MIRA 17:5)

1. Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2"

1000年1000年1000年1000年100日

FEDOROV, B.P.; STOYANOVICH, F.M.

Synthesis and reactions of tert-butylthienyl sulfides. Part 7.

Zhur. org. khim. 1 no.1:194-200 Ja 165. (MIRA 18:5)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

MAMEDOV, R.M.; MALKINA, A.Ya.; FEDOROV, B.P.

Antifungous activity of certain S-substituted 2-(mercaptomethy1)-benzimidazole. Azerb. khim. zhur. no.3:61-63 165.

(MIRA 19:1)

1. Institut organicheskoy khimii AN SSSR.

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2

STOYANOVICH, F.M.; FEDOROV, B.P.

Synthesis and reactions of 2,3-and 3,3-dithleryl suffice.
Part 8. Zhur. org. Mhim. 1 no.7:1282-1292 of 165.

[hira 18:11]

1. Institut organicheskoy khimli imeni N.D.Zelinakogo AN SSER.

IVANOVA, I.A.; FEDOROV, B.P.; STOYANOVICH, F.M.

Synthesis and transformations of amidomercaptals. Izv. AN SSSR. Ser.khim. no.12:2179-2187 165.

(MIRA 18:12)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. Submitted July 16, 1965.

CIA-RDP86-00513R000412620004-2" APPROVED FOR RELEASE: 03/20/2001

IJP(\$) UR/0062/000/002/0268/0274 27 ACC NR. AP600 F77 (m) /EWP(1)-B 26 AUTHOR: Fedorov, B. P.; Lukovnikov, A. F.; Mamedov, R. H.; Yedemskaya, V. V.: Sukhov. V. A. ORG: Institute of Chemical Physics, Academy of Sciences SSSR (Institut khimichechoy fiziki Akademii nauk SSSR); Institute of Organic Chemistry im. N. D. Zelinskiy, Academy of Sciences SSSR (Institut organicheskoy khimii Akademii nauk SSR) TITLE: Synthesis of some S-substituted 2-(mercaptomethyl)benzimidazoles and a study of their inhibition of polypropylene oxidation SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 2, 1966, 268-274 TOPIC TAGS: polypropylene, oxidation inhibition, polymer additive. benzimidazole derivative ABSTRACT: Previous work had shown that the effectiveness of 2-mercapto-benzimidazole derivatives as inhibitors of polypropylene oxidation depends on the presence of the sulfhydryl group, or on the nature of the substituents at the sulfhydryl group. The present work deals with the synthesis and properties of S-substituted 2-(mercaptomethyl)benzimidazoles. A number of compounds were prepared and their inhibiting effect on the oxidation of isotactic polypropylene at 200C and p0z=200 mm was investigated. The compounds and the induction periods observed on addition of inhibitors are given in the table: Card 1/5

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	Table 1. Results of measuring of benzimidazole derivatives			Induction period Induction period in min for con-							
	Number	R			in r cent			M/Kg	-1. 1 1		
	i	∸SH ≀		305308 [1]	55	120	210	265		-	
	la	-s-s-{Y)	228—230 [1]	15	190	270	295			
	11	-ch*sh	N	156—158 [2]	45	55	70	60	· .		
	Ha			180—181 [1]	45	55	50	80		•	
	111 1V,	—СН(SH)СН _С СН _С С	H _a H _a CH _a	222 209—210	10	50 25	100 30	150 40	; ;		
	V	si		266—267	12	1.			:		
Card 2	VI	-5-N H) 0	206209 [1]	15	. 38	50	80	•		

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2

L_21560=66_ ACC NR: AP60		Induction period in min. for con-
	Number	mp, °C centration M/kg. 0.02 0.05 0.07 1.0
	VII -H,C-S-N II O	97—98 [2] 20 40 60 90
	VIII H	218—219 [3] 20 70 80 100
	IX —H ₄ C—S—N H	245—247 [3] 30 140 220 300 ,
	X -H ₂ C-5-CH ₂ -NH-H	182—163 20 75 90 100
	XI —CH ₂ —S—CH ₃ —S—CH ₃ —	219—220 [3] 10 30 40 40
Card 3/5	XII•	207—208 20 30 80 90

, ACC TAIN.	P6009794	·	0
	Table 1. (Cont.)	Walandan madad	
	Number R mp, °C	Induction period in min. for con- centration M/kg	
	XIIICH ₃ SC(CH ₃) ₃ SCH ₃ C(H ₃)	25 55 180 250	
	XIV -CH ₉ -S-C(C ₂ H ₂) ₂ -S-CH ₃ -C	10 10 20 20	
	XV —H ₁ C—S—CH ₂ CH ₂ CH ₃ CH ₃ 145—146 [XVi —H ₁ C—S—CH ₂ CH ₃ CH ₃ CH ₄ 132—133	[2] 15 18 20 180 20 340 450 400	
	XVII —H ₁ C—S—H ₂ C—C ₄ H ₄ 141—142 (XVIII —H ₂ C—S—H ₂ C—C ₄ H ₈ 165—166		
	XIX -H ₈ C-SO ₃ -H ₅ C-C ₄ H ₆ 206-208	Inactive	
	*In (XII) both hydrogen atoms at the are replaced by CH3 groups.	NH groups	
Card 4/5			

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2

react with mercaptans to form sulfenamides. They suggest that this account for the synergistic effects observed when mixtures of aming table.			ctures of amines and 2 figures and [VS]
SUB CODE:	11/ SUBM DATE:	12Nov63/ ORIG REF: 006/	
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等可能的影響學也被開始。結婚條件。對於於於原門

STRUCHKOV, V.I. (Moskva, Trushennikov, per., d.19, kv. 37); SKRIPNICHENKO, D.F.; FEDOROV, B.P.; PARFENOV, A.P.

Changes in cardiovascular activity during and after radical surgery of the lungs [with summary in English p.159] Vest.khir. 77 no.7:64-70 J1 *56. (MLRA 9:10)

 Is kafedry obshchey khirurgii lechebnogo fakuliteta (sav. - prof. V.I.Struchkov) l-go Moskovskogo ordena Lenina meditsinskogo instituta (LUNGS, surg.

perop. & postop. changes in cardiovascular. activity)
(CARDIOVASCULAR SISTEM, physiol.
perop. & postop. changes in lung surg.)

FEDOROV, B.P.

Changes in certain hemodynamic indices during radical surgery in chronic suppurative processes of the lungs. Sov. med. 22 no.12:27-31 D 158.

(MIRA 12:1)

1. Iz kliniki obshchey khirurgii (zav. - prof. V.I. Struchkov) I Moskov-skogo ordena Lenina meditsinskogo instituta imeni I. M. Sechenova na base bol'nitsy imeni Medsantrud (glavnyy vrach A.P. Timofeyeva).

(LUNG DISKASES, surg.

chronic suppurations, hemodynamic changes (Rus))

(BLOOD CIRCULATION, in various dis.

chronic lung suppurations, hemodynamic changes during surg. (Rus))

FEDOROV, B.P.

Venous pressure and the circulation rate during radical operations for chronic suppurative processes in the lungs. Grud.khir. 2 no.2: 104-107 Mr-Ap 60. (MIRA 16:7)

1. Iz kliniki obshchey khirurgii (zav.- prof. V.I.Struchkow) I Moskovskogo ordena Lenina meditsinskogo instituta na baze bel'nitsy imeni "Medsantrud" (glavnyy vrach A.P.Timofeyeva). (BLOOD PRESSURE) (BLOOD CIRCULATION) (LUNGS-SURGERY)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620004-2

STRUCHKOV, Viktor Ivanovich, prof.; BAZHENOVA, A.P., doktor med. nauk; TUMANSKIY, V.K., doktor med. nauk; GRIGORYAN, A.V., kand.med. nauk; KACHKOV, A.P., kand.med.nauk; MARSHAK, A.M., kand.med.nauk; MURAV YEV, M.V., kand.med.nauk; SIDORINA, F.I., kand.med.nauk; FEDOROV, B.P., kand.med.nauk; VINOGRADOV, V.V., red.; PETROVA, tekhn. red.

[Surgery for suppuration]Gnoinaia khirurgiia; rukovodstvo dlia vrachei. Noskva, Medgiz, 1962. 357 p. (MIRA 15:11) (SUPPURRATION) (SURGERY, OPERATIVE)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620004-2"